



# 2<sup>nd</sup> Generation Feedstock – 1<sup>st</sup> Class Consumables

Meet your own sustainability targets with Eppendorf Tubes® BioBased

## Your Future Lab Perspective

**»Making polymer products and components substantially and measurably more sustainable according to the »Reduce, Reuse, Recycle« concept without compromising product quality and performance«**

Since oil-based plastic vessels have replaced glass vessels, they have become irreplaceable in laboratories around the world, providing quality standards needed in increasingly demanding research. This is the growing challenge in respect to sustainability.

Thus, Eppendorf not only focuses on the development of new products but also on new, more environmentally friendly manufacturing materials. For the first time, we are in a position to offer a generation of Eppendorf Tubes® with screw caps in 5.0 mL, 15 mL, 25 mL and 50 mL made of a certified polypropylene based on renewable reused raw materials.

## About Bio-based Polymer Used for Eppendorf Tubes® BioBased

**To increase the sustainable properties of plastic used for the production of lab consumables, we must make and use plastics more sustainably using recycled and renewable feedstocks.**

- > In this specific bio-based polymer production, fossil raw material is saved by replacing it with sustainable raw material produced from bio-based waste and residues (2nd generation renewable feedstock).
- > The raw materials used to produce the renewable feedstock can be backtraced to the first collection points and the origin of the renewable raw materials from carefully selected suppliers committed to sustainability is assured.
- > The final polymers are sustainability certified by »ISCC PLUS« – the reliable global leading certification scheme for manufacturers producing bio-based polymers and their further processing.





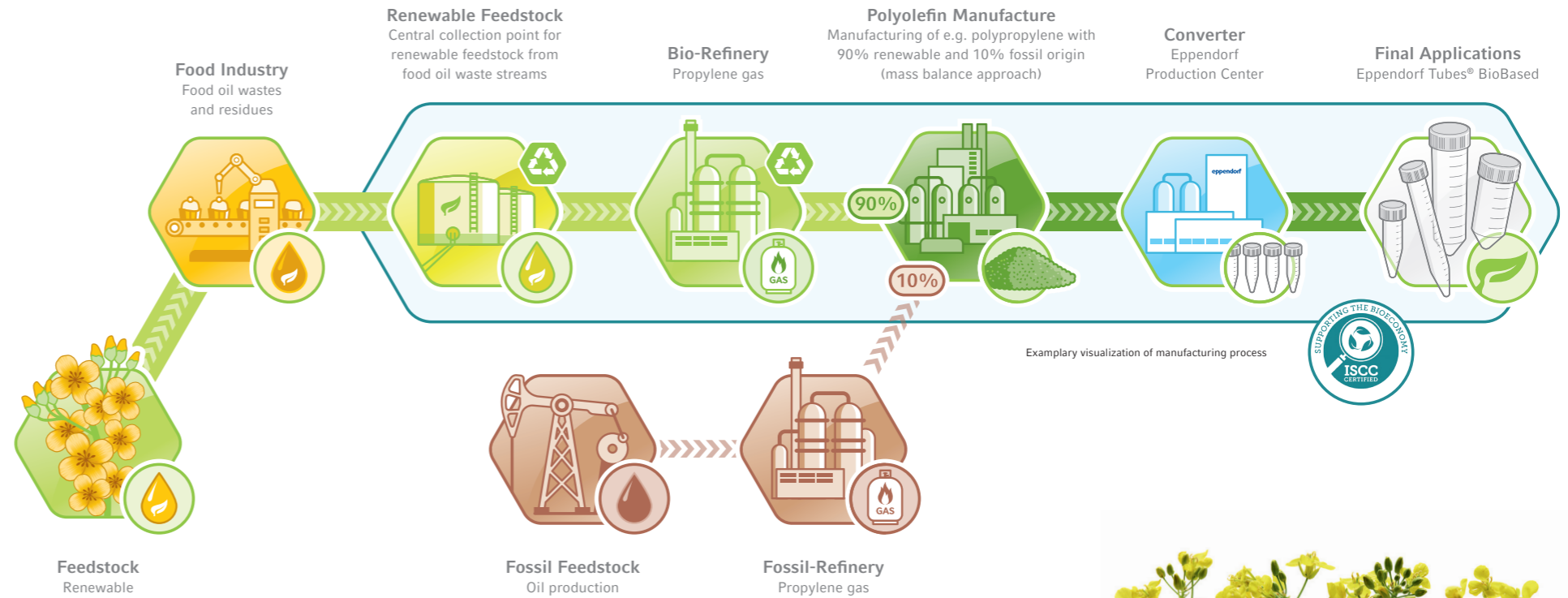
# About »ISCC PLUS« Certification



**ISCC PLUS (International Sustainability & Carbon Certification) is a global certification program for circular economy and bioeconomy. The certification enables traceability along the entire supply chain**

- > ISCC PLUS enables market participants and producers from the food and feed, chemical, pharmaceutical and bioplastic industries to obtain sustainability certificates. With an ISCC PLUS certification, companies ensure that the entire supply chain from agriculture to the finished end product has been audited. The certification is also applicable to products based on waste, residues and recyclable materials.
- > ISCC supports the transition to a circular economy and bioeconomy and brings many benefits to businesses and the environment like e.g.:
  - Traceability throughout the supply chain
  - Proof of identity of raw materials
  - Clear and third-party verified information
  - Strengthening consumer confidence through independent certification system

More information: [www.iscc-system.org](http://www.iscc-system.org)



# About »ACT« Certification

## Independent Validation

**mygreen lab.** provides independent validation and certifies lab products with »ACT – The Environmental Impact Factor Label« as a third party organization. Meanwhile, Eppendorf has a growing number of ACT validated and certified Eppendorf products, e.g. different tips, tubes, ULT freezers, pipettes, and more to come.

More information: <https://actdatabase.mygreenlab.org>

»The ACT Label was designed to address the need of both scientists and procurement specialists for clear, third-party and independently verified information about the environmental impact of laboratory products. By emphasizing Accountability, Consistency, and Transparency (ACT) around manufacturing, energy and water use, packaging, and end-of-life, ACT makes it easy to choose more sustainable products.«

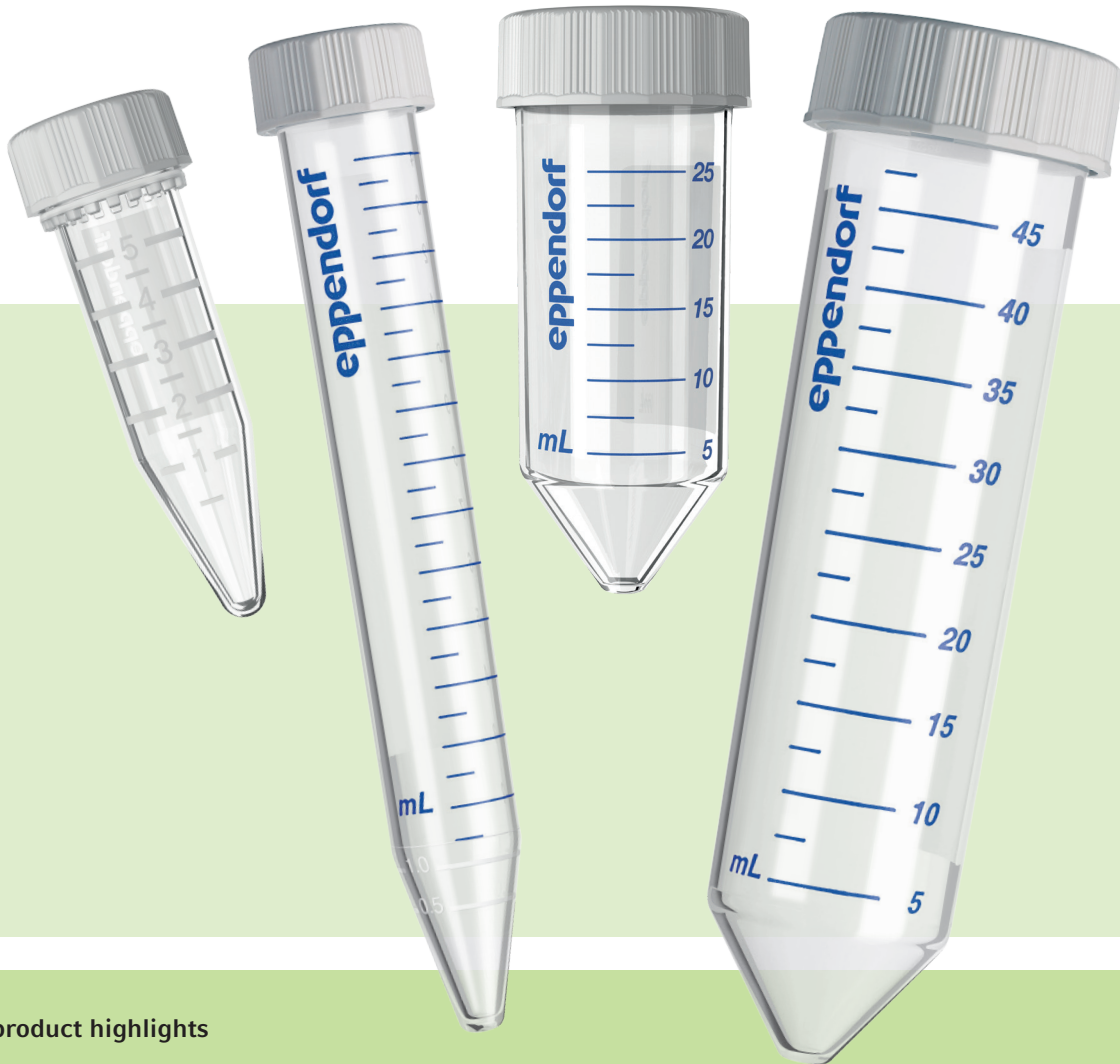
More information: <https://act.mygreenlab.org>



<b>ACT.</b> The Environmental Impact Factor Label		US
<b>Eppendorf Tubes® BioBased 25 mL with screw cap, sterile</b>		
SKU 0030122534		
Environmental Impact Scale 1 ← Decreasing Environmental Impact → 10		
<b>Manufacturing</b>		
Manufacturing Impact Reduction		1.0
Renewable Energy Use		Yes
Responsible Chemical Management		1.0
Shipping Impact		8.7
Product Content		1.0
Packaging Content		1.0

# From Used Cooking Oil to High-Value Products

Eppendorf Tubes® BioBased, Sterile, with screw caps are available in volumes of 5 mL, 15 mL, 25 mL and 50 mL



## Special product highlights

- > Eppendorf Production Center in Oldenburg/Germany complies with the requirements of the certification system ISCC PLUS (International Sustainability & Carbon Certification)
- > ACT labeled (Accountability, Consistency, Transparency) – Environmental Impact Factor Certification initiated by My Green Lab®
- > Tubes\* are made from 90 % renewable-based feedstock (recycled e.g. from food oil wastes and residues) plus 10 % fossil-based feedstock (applying ISCC mass balance approach)
- > General Quality Certificates/Compliance with Standards are available separately for Eppendorf Tubes® BioBased
- > Product-specific and lot-specific purity certificates as well as an ISCC sustainability declaration for Eppendorf Tubes® BioBased

\* The screw caps are actual fossil-based material. The material switch will be made to BioBased in 2023.



Description	Ordering no.
Eppendorf Tubes® BioBased 5.0 mL with screw cap, Sterile, pieces per unit 200 tubes (2 bags x 100 each)	0030 122 518
Eppendorf Tubes® BioBased 15 mL with screw cap, Sterile, pieces per unit 500 tubes (10 bags x 50 each)	0030 122 526
Eppendorf Tubes® BioBased 25 mL with screw cap, Sterile, pieces per unit 200 tubes (8 bags x 25 each)	0030 122 534
Eppendorf Tubes® BioBased 50 mL with screw cap, Sterile, pieces per unit 500 tubes (20 bags x 25 each)	0030 122 542

## How to Identify Eppendorf Tubes® BioBased

### Packaging

- > Tubes are packed in resealable bags
- > For better identification an explanatory additional label is placed under the product label



These tubes\* are made with 90 % biobased plastic. The plastic can be traced back to biological waste material which is attributed to these tubes via the ISCC mass balance approach.

By choosing these tubes, our customers help to significantly reduce the amount of fossil resources required for their production.

\* The screw caps are actual fossil-based material. The material switch will be made to BioBased in 2023.

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
Eppendorf SE · Barkhausenweg 1 · 22339 Hamburg · Germany  
[eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com)

[www.eppendorf.com/BioBased](http://www.eppendorf.com/BioBased)